Q-333R2

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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F-150 REAR VIEW CAMERA FOR TAILGATE REMOVAL

REVISION	UPDATE	REVISION DATE
Q-333R2	UPDATED MODEL YEAR CUTOFF, REVISED TITLE AND ADDED 23MY	1/DEC/2022
Q-333R1	UPDATED INFORMATION ON EQUIPMENT GROUP FOR ANALOG/DIGITAL CAMERA	26APR2021
Q-333	INITIAL RELEASE	24FEB2021

MODEL(S) AFFECTED:

- For 2021 - 2022 Model Year F-150 XL (EQUIPMENT GROUP 100A PICKUPS ONLY) If the vehicle is ordered with Equipment Group 100A then the vehicle will have an **ANALOG** camera. All other equipment groups provide a **DIGITAL** camera. There is **no** rear camera relocation kit for a digital camera. *NOTE: There is no rear camera relocation kit for a digital camera.*
- For 2023MY+ F150 & Beyond will be equipped a with a **digital** camera.

ISSUE / DESCRIPTION:

Effective May 1, 2018, all F-150 pickups (produced by Ford as complete vehicles) comply with FMVSS 111 requirements for rear visibility (including rearview camera). This bulletin is intended to assist upfitters, who alter the vehicle by removing tailgate, maintain compliance with FMVSS 111 requirements for rear visibility using the Ford reverse camera kit.

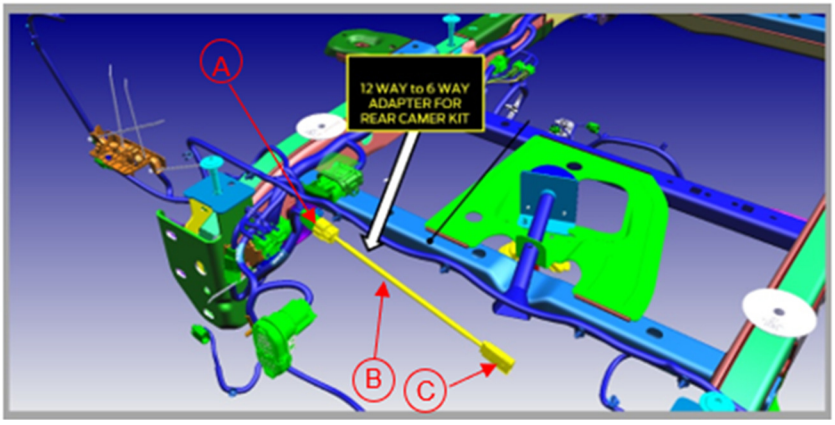
TAILGATE REMOVAL ONLY - Camera Kit and Wire Adapter

Parts Required:

Service part number	Description
JC3Z-19G490-D	Rear View Camera Kit (adapter also required)
ML3Z-14B242-A	Tailgate Removal Wire Adapter

Rear View Camera Kit **JC3Z-19G490-D** (reference following page for contents) can be installed following instruction sheet included in kit. The kit harness does not connect directly to rear camera frame harness – it will be necessary to install jumper **ML3Z-14B242-A** (see Figure 1 for location of jumper). Excess harness should be coiled and secured.

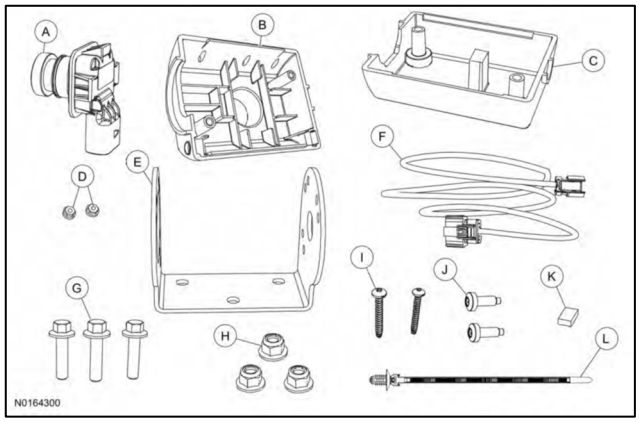
THE INCOMPLETE VEHICLE REAR CAMERA KIT IS NOT COMPATIBLE WITH THE 360-DEGREE CAMERA SYSTEM OR WITH FACTORY DIGITAL REAR CAMERA SYSTEM.



Item	Description
A	Light gray 12-way connector
B	Wire adapter
C	6-way connector to 20-foot kit harness

Figure 1: Wire adapter installation – Replace tailgate harness with wire adapter/20-foot harness

REAR VIEW CAMERA KIT JC3Z-19G490-D:



Item	Quantity	Description
A	1	Rear View Camera
B	1	Front Camera Case Half
C	1	Rear Camera Case Half
D	2	Screw Retaining nuts
E	1	Mounting Bracket
F	1	Wire Harness
G	3	Bolts
H	3	Nuts
I	2	Screws (Longer)
J	2	Screws (Shorter)
K	1	Foam Pad
L	1	Push Pin Tie Strap

Figure 2: Camera Kit Contents

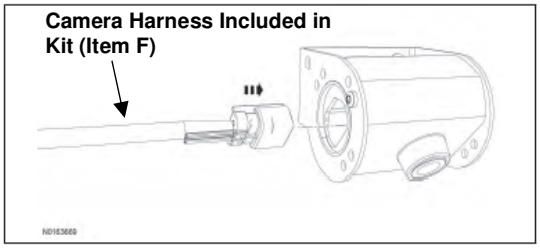


Figure 3: 20-foot harness (included in camera kit) shown connecting to camera here. Other end of 20-foot harness connects to 6-way connector (connector "C" shown in Figure 1)

FORD CAMERA KIT COMPLIANCE CAPABILITY:

F-150 XL 100A series pickups are available with an 8-inch center stack display only. Based on Ford testing, the camera/display pairing is capable of meeting the backup camera field of view requirement of FMVSS 111 when mounted in the zones defined below.

FMVSS 111 Compliance will be the responsibility of the upfitter who alters the vehicle. This information is provided for directional purposes only, based on testing done by Ford.

If equipped with an 8-inch display the camera included in kit is capable of complying with FMVSS 111 when mounted in the areas defined in Figure 4.

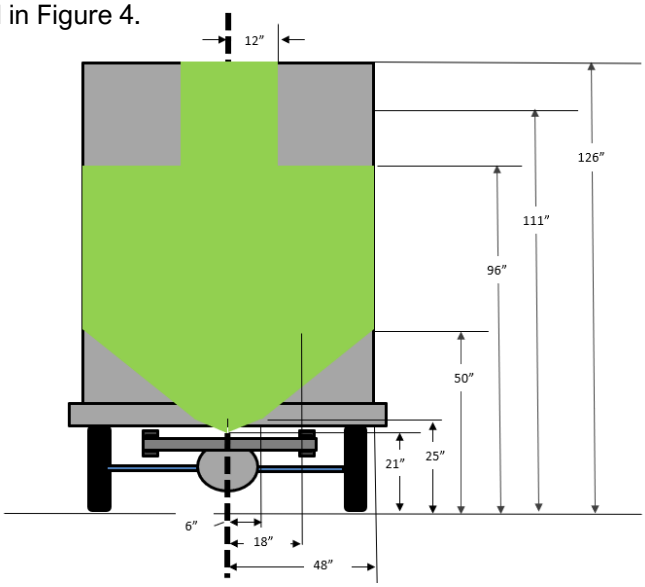


Figure 4: Coverage with an 8-inch display, as shown at the rear plane of the vehicle

Note that the NTEA has provided detailed information and educational resources to help members better understand the new FMVSS 111/reverse camera conformity (including a manual and test kit). Ref. http://www.ntea.com/fmvss111rearvisibility

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.